

**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Application No.: 10/758,816  
Filing Date: January 16, 2004  
Applicant: Michael W. Murphy et al.  
Group Art Unit: 1745  
Confirmation No.: 6583  
Examiner: Dah-Wei D. Yuan  
Title: ULTRA SHORT HIGH PRESSURE GRADIENT FLOW  
PATH FLOW FIELD  
Attorney Docket: 8540G-000233 (Client Ref. No. GP-303355)

---

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

**RESPONSIVE AMENDMENT**

Sir:

In response to the Office Action mailed April 27, 2007, please amend the application as follows and consider the remarks set forth below.

**Amendments to the Claims** begin on page 2 of this paper.

**Remarks** begin on page 5 of this paper.